

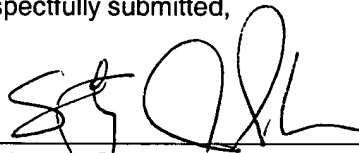
REMARKS

This amendment is offered pursuant to the communication mailed October 18, 2004. Canceled claims 4 and 5 are bracketed. Claims 15 and 16 are completely underlined. Claims 6 to 14 were previously presented, but were canceled pursuant to a restriction requirement, subject to the right of Applicant to file a divisional application pursuant to 37 CFR 1.177 and MPEP 1451. Claims 6 to 14 are shown on the attached sheets, and are both underlined (as new claims) and bracketed (as canceled claims).

Should the Examiner have any comments, questions or suggestions relating to a speedy disposition of the application, he is invited to call the undersigned.

Respectfully submitted,

By:


Stephen A. Slusher
Reg. No. 43,824
Direct line (505) 998-6130

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Attorneys for Applicant
PEACOCK, MYERS & ADAMS, P.C.
P.O. BOX 26927
Albuquerque, New Mexico 87125-6927
Telephone: (505) 998-1500
Facsimile: (505) 243-2542

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Claims Previous Presented and Canceled

[6. An apparatus for inducing hypothermia in a patient's brain, comprising:

a) a first coolant contact having inlet and outlet coolant conducting elements, the first coolant contact being insertable into the patient's oral cavity, whereby the first coolant contact contacts at least a portion of the surface of the oral cavity of the patient at a location where the oral cavity contains blood vessels and tissues proximate thereto;

b) a second coolant contact having inlet and outlet coolant conducting elements, the second coolant contact being positionable around at least a portion of the patient's neck, whereby the second coolant contact contacts the exterior skin surface of the neck of the patient proximate the carotid artery; and

c) a source of liquid or gaseous coolant in fluidic contact with the inlet and outlet coolant conducting elements of the first coolant contact and the second coolant contact, whereby the coolant from the coolant source flows through the inlet and outlet coolant conducting elements of the first coolant contact and the second coolant contact, cooling the first coolant contact and the second coolant contact, and the first coolant contact and second coolant contact lower the temperature of the blood vessels and tissues proximately thereto contained in the oral cavity and the carotid artery, said tissues, blood vessels and carotid artery further acting as heat conducting paths from the brain to the first coolant contact and second coolant contact, whereby the temperature of the brain is lowered.]

[7. The apparatus of claim 6 wherein the first coolant contact comprises a bladder.]

[8. The apparatus of claim 6 wherein the second coolant contact comprises a collar.]

[9. The apparatus of claim 6 wherein the first coolant contact having inlet and outlet coolant conducting elements and the second coolant contact having inlet and outlet coolant conducting elements comprise non-metallic fabric or plastic materials, whereby said apparatus is compatible with X-ray, MRI or CAT scan procedures.]

[10. A method of inducing hypothermia in a patient's brain, comprising the steps of:
a) contacting at least a portion of the surface of the oral cavity of the patient at a location where the oral cavity contains blood vessels with a first coolant contact; and
b) contacting the exterior skin surface of the neck of the patient proximate the carotid artery with a second coolant contact;
whereby the blood vessels and carotid artery are lowered in temperature to cool the brain.]

[11. The method of claim 10, further comprising the steps of:
a) flowing coolant through the first coolant contact by means of an inlet tube to the first coolant contact and an outlet tube to the first coolant contact; and
b) flowing coolant through the second coolant contact by means of an inlet tube to the second coolant contact and an outlet tube to the second coolant contact.]

[12. The method of claim 11 wherein there is a common source for the flowing coolant for the first coolant contact and the flowing coolant for the second coolant contact.]

[13. The method of claim 10 wherein the first coolant contact comprises a bladder.]

[14. The method of claim 10 wherein the second coolant contact comprises a collar.]